

IN THE CLAIMS

Claims 1-10 (Canceled).

11 (Currently Amended). A method for releasably plugging a heat sink assembly into a printed circuit board comprising:

connecting an upper portion of a ~~releasably~~ releasable plug to a heat sink;

connecting a lower portion of said ~~releasably~~ releasable plug into said printed circuit board; and

releasably telescopically ~~plug~~ plugging said upper portion of said assembly into said lower portion of said assembly.

Claims 12-14 (Canceled).

15 (Previously Presented). The method of claim 11 including enabling said lower portion to plug into a hole in the printed circuit board.

16 (Previously Presented). The method of claim 11 including enabling a spring biased rod in said upper portion to engage a catch on said lower portion.

17 (Original). The method of claim 16 including enabling said catch to be released by rotating said rod.

18 (Original). The method of claim 17 including providing a way to prevent rotation of said rod.

19 (Original). The method of claim 18 including providing a flanged end on said rod to engage a releasable lock to prevent rotation of said rod.

20 (Original). The method of claim 19 including providing an extending end on said rod opposite said flanged end of said rod to engage said catch and to be released from said catch when said rod is rotated.

21 (Previously Presented). A heat sink assembly comprising:
a telescoping first portion to engage a printed circuit board;
a telescoping second portion to engage a heat sink to be attached to said printed circuit board;
said first portion and said second portion releasably locking together when said first portion is plugged into said second portion;
wherein said first portion includes a cammed member that deflects inwardly into said first portion when said first portion engages a printed circuit board and snaps outwardly after said first portion is plugged into said printed circuit board, releasably holding said first portion in said printed circuit board; and
wherein said first portion includes a pair of opposed L-shaped catch members, said first portion is cylindrical having a closed end and an open end, said open end to receive said second portion, said closed end mounting said catches.

Claims 22-24 (Canceled).

25 (Original). The assembly of claim 21 wherein said second portion includes a tubular member that slides within said first portion.

26 (Original). The assembly of claim 25 wherein said tubular member includes threads to threadedly secure said second portion to a heat sink.

27 (Original). The assembly of claim 25 including a rod reciprocable within said tubular member, said rod having opposed ends, one of said ends to engage the catches in said first portion.

28 (Original). The assembly of claim 27 wherein said rod is spring biased.

29 (Original). The assembly of claim 27 wherein the free end of said rod to releasably engage said catches and to be releasable upon rotation of said rod.

30 (Original). The assembly of claim 29 wherein the upper surface of said tubular member of said second portion includes a locking member to prevent rotation of said rod to release said free end of said rod from said catch in said first portion.

31 (Original). The assembly of claim 21 including a heat sink secured to said second portion.

32 (Original). The assembly of claim 31 including a printed circuit board secured to said first portion.

33 (Previously Presented). A heat sink assembly comprising:
a telescoping first portion to engage a printed circuit board;
a telescoping second portion to engage a heat sink to be attached to said printed circuit board;
said first portion and said second portion releasably locking together when said first portion is plugged into said second portion;
wherein said second portion includes a tubular member that slides within said first portion; and
wherein said tubular member includes threads to threadedly secure said second portion to a heat sink.

34 (Previously Presented). The assembly of claim 33 including a rod reciprocable within said tubular member, said rod having opposed ends, one of said ends to engage the catches in said first portion.

35 (Previously Presented). The assembly of claim 34 wherein said rod is spring biased.

36 (Previously Presented). The assembly of claim 34 wherein the free end of said rod to releasably engage said catches and to be releasable upon rotation of said rod.

37 (Previously Presented). The assembly of claim 36 wherein the upper surface of said tubular member of said second portion includes a locking member to prevent rotation of said rod to release said free end of said rod from said catch in said first portion.